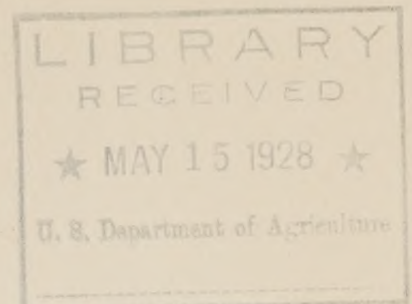


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E-24 (Revised to May 1, 1928)

PUBLICATIONS OF THE BUREAU OF ENTOMOLOGY, U. S. DEPARTMENT OF AGRICULTURE,
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FARMERS' BULLETINS

- 447F. Bees.
- 450F. Some facts about malaria.
- 627F. The house centipede.
- 636F. The chalcis fly in alfalfa seed.
- 650F. The San Jose scale and its control.
- 658F. Cockroaches.
- 662F. The apple-tree tent caterpillar.
- 668F. The squash-vine borer.
- 675F. The roundheaded apple-tree borer.
- 701F. The bagworm, an injurious shade-tree insect.
- 705F. The catalpa sphinx.
- 708F. The leopard moth: A dangerous imported enemy of shade trees.
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- 722F. The leaf blister mite of pear and apple.
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- 734F. Flytraps and their operation.
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- 762F. The false chinch bug and measures for controlling it.
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- 799F. Carbon disulphid as an insecticide.
- 801F. Mites and lice on poultry.
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- 846F. The tobacco beetle and how to prevent damage by it.
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- 875F. The rough-headed corn stalk-beetle in the Southern States and its control.
- 880F. Fumigation of ornamental greenhouse plants with hydrocyanic-acid gas.
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- 891F. The corn root-aphis and methods of controlling it.
- 897F. Fleas and their control.
- 902F. The silverfish: An injurious household insect.
- 908F. Information for fruit growers about insecticides, spraying apparatus,
and important insect pests.

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- 944F. Controlling the garden webworm in alfalfa fields.
- 950F. The southern corn rootworm and farm practices to control it.
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- 975F. The control of European foulbrood.
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- 1003F. How to control billbugs destructive to cereal and forage crops.
- 1006F. The jointworm and its control.
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- 1014F. Wintering bees in cellars.
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1557F. Insects attacking the peach in the South and how to control them.
(In press.)
1561F. The Porto Rican mole cricket. (In press.)

LEAFLETS

- 2L. Cutworms in the garden.
- 12L. The striped blister beetle on soybeans.

ENTOMOLOGY LEAFLET

E-127. Chinch bug.

POSTERS

(Those marked with an asterisk are obtainable from the Bureau of Entomology only.)

- *E-144. Potato beetles.
- E-149. Destroy grasshoppers with poison-bran bait.
- *E-152. Garden cutworms.
- E-155. Spray potato fields.
- *E-157. Garden plant-lice.
- E-177. The Hessian fly.
- E-178. Wheat jointworm.
- E-179. The alfalfa seed Chalcis-fly.
- *Help fight the European corn borer.

YEARBOOK SEPARATES

(Those marked with an asterisk are obtainable from the Bureau of Entomology only.)

- *653Y. Edible snails.
- *706Y. Suppression of the gipsy and brown-tail moths and its value to States not infested.
- *786Y. How weevils get into beans.

DEPARTMENT CIRCULARS

(The publications in this series are semipopular in character. Those marked by an asterisk are obtainable from the Bureau of Entomology only.)

- 172C. The range crane-fly in California.
- *224C. Nicotine dust for control of the striped cucumber beetle.
- 263C. Preliminary report on the control of the San Jose scale with lubricating-oil emulsion.
- 274C. Dusting for the cotton boll weevil.
- *282C. The Australian tomato weevil introduced in the South. A preliminary account.
- *284C. The sterilization of American foulbrood combs.
- 287C. The occurrence of diseases of adult bees, II.
- *303C. The hot-water treatment of sugar cane for insect pests: A precaution.
- *334C. The bee-louse, *Braula coeca*, in the United States.
- 361C. The cotton hopper or so-called cotton flea.
- 363C. The Japanese beetle.
- 367C. Airplane dusting in the control of malaria mosquitoes.
- 380C. Calcium cyanide as a fumigant for ornamental greenhouse plants.
- 395C. The oriental peach moth.

CIRCULARS

(This series supersedes the Department Circular series.)

- 7. An apparatus for the rapid vaporization of carbon disulphide.
- 14. Status of imported parasites of the European corn borer.
- 18. Experimental dissemination of the tabanid egg parasite *Phanurus omersoni* Girault and biological notes on the species.
- 24. United States grades, color standards, and packing requirements for honey.

MISCELLANEOUS CIRCULARS

- 46M. A bibliography of the European corn borer (*Pyrausta nubilalis* Hbn.)(In press)
- 70M. Timely information about the European corn borer.
- 102M. Pertinent information regarding the 1927 spring clean-up of areas quarantined on account of the European corn borer.
- 104M. Spread and infestation by the European corn borer during 1926.

DEPARTMENT BULLETINS

(Most of the publications in this series are professional papers intended for the use of entomologists or other technical workers. Those marked by an asterisk are obtainable from the Bureau of Entomology only.)

- *59D. The tobacco splitworm.
- *100D. Walnut aphides in California.
- *111D. The Sequoia pitch moth: A menace to pine in western Montana.
- *113D. The lesser bud-moth.
- *124D. The alfalfa caterpillar.
- *131D. Repellents for protecting animals from the attacks of flies.
- *134D. Citrus fruit insects in Mediterranean countries.

- *170D. The European pine-shoot moth.
- *173D. The life history and habits of the pear thrips in California.
- *184D. The huisache girdler.
- *245D. Further experiments in the destruction of fly larvae in horse manure.
- *264D. The violet rove beetle.
- *295D. The Zimmerman pine moth.
- *382D. Cotton-boll weevil control in the Mississippi delta, with special reference to square picking and weevil picking.
- *443D. The New Mexico range caterpillar and its control.
- *491D. The melon fly in Hawaii.
- *550D. Control of the grape-berry moth in the Erie-Chautauqua grape belt.
- *564D. Collection of weevils and infested squares as a means of control of the cotton-boll weevil in the Mississippi delta.
- *796D. Use of toxic gases as a possible means of control of the peach-tree borer.
- *808D. Studies on the life-history and habits of the jointworm flies of the genus Harmolita, with recommendations for control.
- 809D. American fowlbrood.
- *838D. Cypress bark scale.
- 872D. Insect control in flour mills.
- *962D. Studies in the biology of the Mexican cotton boll weevil in short-staple upland, long-staple upland, and Sea Island cottons.
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- *967D. Results of work on blister beetles in Kansas.
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- 1016D. Bionomics of the chinch bug.
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- 1160D. Studies on contact insecticides.
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- *1218D. Horse-flies: Biologies and relation to western agriculture.
- *1222D. Growth and feeding of honeybee larvae.
- *1223D. The European elm scale in the West.
- 1231D. Tests of methods of protecting woods against termites or white ants.
- *1235D. Life history of the codling moth in the Yakima Valley of Washington.
- *1238D. The canker worms.
- 1243D. Studies of the Mexican bean beetle in the Southeast.
- *1267D. The rough-headed corn stalk-beetle.
- *1303D. The pecan nut case-bearer.
- 1307D. Absorption and retention of hydrocyanic acid by fumigated food products.
- Part II.
- *1313D. Fumigation against grain weevils with various volatile organic compounds.
- 1324D. The oviposition response of insects.
- *1328D. The flight activities of the honeybee.
- *1332D. Emulsions of wormseed oil and of carbon disulfide for destroying larvae of the Japanese beetle in the roots of perennial plants.
- *1336D. Biological studies of the green clover worm.
- 1339D. The effect of weather upon the change in weight of a colony of bees during the honey flow.

- *1349D. The brood-rearing cycle of the honeybee.
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- *1364D. Effects on honeybees of spraying fruit trees with arsenicals.
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- *1393D. The granary weevil.
- 1397D. The pink bollworm, with special reference to steps taken by the Department of Agriculture to prevent its establishment in the United States.
- 1426D. The clover root-borer.
- 1428D. The cadelle.
- 1429D. The parasites of *Popillia japonica* in Japan and Korea, and their introduction in the United States.
- *1439D. Fish oil, an efficient adhesive in arsenate of lead sprays.
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- 1469D. The satin moth, a recently introduced injurious pest.
- 1472D. Chemotropic tests with the screw-worm fly.
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- 1482D. Experiments on the control of the plum curculio, brown-rot, and scab, attacking the peach in Georgia.
- *1487D. A study in hyperparasitism, with particular reference to the parasites of *Apanteles melanoscelus* (Ratz.).
- 1490D. Defects in timber caused by insects.

TECHNICAL BULLETINS

(This series supersedes the Department Bulletin series.)

- 3T. The relation of highway slash to infestations by the western pine beetle in standing timber.
- 4T. *Lygus elisus*: A pest of the cotton regions in Arizona and California.
- 15T. The citrus insects of Japan.
- 19T. Parasites of the pink bollworm in Hawaii.
- 20T. A study of *Phylloxera* infestation in California as related to types of soils.
- 25T. Control experiments against the European red mite and other fruit-tree mites.
- 31T. The larger sod webworm.
- 34T. The fall army worm.
- 41T. The sugar-cane moth borer in the United States.
- 42T. Life history of the codling moth in Delaware.
- 48T. The western cedar pole borer.
- 52T. A classification of the higher groups and genera of the coccid family *Margarodidae*. (In press.)
- 53T. Scouting, quarantine, and control for the European corn borer, 1907 - 1926.
- 58T. Paradichlorobenzene experiments in the South for peach-borer control.
- 59T. The European corn borer and its controlling factors in Europe. (In press.)
- 60T. Ineffectiveness of internal medication of poultry for the control of external parasites.
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- 77T. The host plants of the European corn borer in New England. (In press.)

REPORTS, OFFICE OF THE SECRETARY

(This series has been discontinued. The publications listed below, which are of a technical character, are obtainable from the Bureau of Entomology only.)

- *99. Classification of the Cryphalinae, with descriptions of new genera and species.
- *101. The woolly apple aphid.
- *102. Descriptions of some weevils reared from cotton in Peru.
- *107. Larvae of the Prioninae.

CIRCULARS, OFFICE OF THE SECRETARY

(This series has been discontinued. The two numbers listed below are obtainable from the Bureau of Entomology only.)

- *51. The Hessian fly situation in 1915.
- *55. The spring grain-aphid or "greenbug" in the Southwest and possibilities of an outbreak in 1916.

The three series listed below were discontinued in 1914. Most of them (those marked by an asterisk) are obtainable from the Bureau of Entomology only.

ENTOMOLOGY CIRCULARS

- *50. The white ant. (Superseded by Farmers' Bulletin 1472.)
- *101. The apple maggot or "railroad worm."
- *123. Methods of controlling tobacco insects.
- *131. How to control the pear thrips.
- *148. Two destructive Texas ants.
- *153. The cotton worm or cotton caterpillar.
- *158. The clover mite.
- *168. Spraying for white flies in Florida. (Superseded by Farmers' Bulletin 933.)
- *173. Arsenate of lead as an insecticide against the tobacco hornworms; (Superseded by Farmers' Bulletin 1356.)
- *Unnumbered. The pink bollworm. 1914.

ENTOMOLOGY BULLETINS

- 71. The periodical Cicada.
- *85. Part II. The slender seed-corn ground-beetle.
- *85. Part III. The clover-root curculio.
- *95. Part II. The maize billbug.

ENTOMOLOGY TECHNICAL SERIES

- *19. Contents and index.
- *23. Part I. Some new California and Georgia Thysanoptera.
- *24. The life history of the alder blight aphid.
- *25. Part II. The yellow clover aphid.
- *27. Part II. Classification of the Aleyrodidae.
- *27. Contents and index.